

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No.	Serial No.
	DP-306458	
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant	
	Van Steenkiste et al	
Reg. No. 37181	Filing Date	Group
	Herewith	

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	3,100,724	08-14-1964	Rocheville			
	3,993,411	11-23-1976	Babcock et al			
	4,263,335	04-21-1981	Wagner et al			
	4,606,495	08-19-1986	Stewart, Jr., et al			
	4,891,275	01-02-1990	Knoll			
	4,939,022	07-03-1990	Palanisamy			
	5,187,021	02-16-1993	Vydra et al			
	5,271,965	12-21-1993	Browning			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| Van Steenkiste, et al; *Kinetic Spray Coatings*; in Surface & Coatings Technology III; 1999; pp.62-71

| Liu, et al; *Recent Development in the Fabrication of Metal Matrix-Particulate Composites Using Powder Metallurgy Techniques*; in Journal of Material Science 29; 1994; pp. 1999-2007; National University of Singapore, Japan

| Papyrin; *The Cold Gas-Dynamic Spraying Method a New Method for Coatings Deposition Promises a New Generation of Technologies*; Novosibirsk, Russia.

| McCune, al; *Characterization of Copper and Steel Coatings Made by the Cold Gas-Dynamic Spray Method*; National Thermal Spray Conference.

Examiner

Date Considered

***Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: 10/24/2003Signature: Lowell TrainName: LOWELL TRAIN

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No. DP-306458	Serial No.
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant Van Steenkiste et al	
Reg. No. 37181	Filing Date Herewith	Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	5,302,414	04-12-1994	Alknimor et al			
	5,340,015	08-23-1994	Hira et al			
	5,395,679	03-07-1995	Myers et al			
	5,424,101	06-13-1995	Atkins et al			
	5,464,146	11-07-1995	Zalvzec et al			
	5,476,725	12-19-1995	Papich et al			
	5,527,627	06-18-1996	Lautzenhisser et al			
	5,593,740	01-14-1997	Strumbon et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| Alkhimov, et al; *A Method of "Cold" Gas-Dynamic Deposition*; Sov. Phys. Dokl. 36(12; December 1990; pp.1047-1049

| Dykuizen, et al; *Impact of High Velocity Cold Spray Particles*; in Journal of Thermal Spray Technology 8(4); 1999; pp.559-564

| Swartz, et al; *Thermal Resistance At Interfaces*; Appl. Phys. Lett., Vol. 51, No 26,28; December 1987; pp. 2201-2202.

| Davis, et al; *Thermal Conductivity of Metal-Matrix Composites*; J.Appl. Phys. 77 (10), May 15, 1995; pp. 4494-4960.

Examiner _____ Date Considered _____

***Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: 10/24/2003

Signature: Lowell Train

Name: LOWELL TRAIN

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No.	Serial No.
	DP-306458	
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant	
	Van Steenkiste, et al	
Reg. No. 37181	Filing Date	Group
	Herewith	

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	5,795,626	08-18-1998	Grabel et al			
	5,854,966	12-29-1998	Kampe et al			
	5,875,626	03-02-1999	Singer et al			
5,894,054		04-13-1999	Poruchuri et al			
	5,907,761	05-25-1999	Tohma et al			
	5,952,056	09-14-1999	Jordan et al			
	5,989,310	11-23-1999	Chu et al			
	6,051,045	04-18-2000	Narula et al			
	6,051,277	04-18-2000	Claussen et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|Stoner et al; *Measurements of the Kapitza Conductance between Diamond and Several Metals*; Physical Review Letters, Volume 68, Number 10; March 9, 1992; pp. 1563-1566.

|Stoner et al; *Kapitza conductance and heat flow between solids at temperatures from 50 to 300K*; Physical Review B, Volume 48, Number 22, December 1, 1993-II; pp. 16374;16387.

|Johnson et al; *Diamond/Al metal matrix composites formed by the pressureless metal infiltration process*; J. Mater. Res., Vol. 8, No. 5, May 1993; pp. 11691173.

|Rajan et al; *Reinforcement coatings and interfaces in Aluminium Metal Matrix Composites*; pp. 3491-3503.

Examiner

Date Considered

***Examiner:** Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Date: 10/24/2003

Signature: Lowell Train

Name: LOWELL TRAIN

No. 0651-0011(12/31/86)

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:

Atty. Docket No.

DP-306458

Serial No.

SCOTT A. MCBAIN

Delphi Technologies, Inc.,

Applicant

Van Steenkiste, et al

Reg. No. 37181

Filing Date

Herewith

Group

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	6,033,622	03-07-2000	Maruyama			
	6,074,737	06-13-2000	Jordan et al			
	6,129,948	10-10-2000	Plummet et al			
	6,139,913	10-31-2000	Van Steenkiste et al			
	6,283,386	09-04-2001	Van Steenkiste et al			
	5,308,463	05-03-1994	Hoffmann et al			
	5,648,123	07-15-1997	Kuhn et al			
	5,965,193	10-12-1999	Ning et al			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|LEC Manufacturing and Engineering Capabilities; Lanxide Electronic Components, Inc.

|Dykhuisen et al; *Gas Dynamic Principles of Cold Spray*; Journal of Thermal Spray Technology; 06-98; pp. 205-212.|McCune et al; *An Exploration of the Cold Gas-Dynamic Spray Method For Several Materials Systems*;|Ibrahim et al; *Particulate Reinforced Metal Matrix Composites - A Review*; Journal of Materials Science 26; pp. 1137-1156.

Examiner

|Date Considered

***Examiner:** Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: 10/24/2003

Signature: Lowell Train

Name: LOWELL TRAIN

INFORMATION DISCLOSURE CITATION WITH DOCUMENT COPIES

Submitted by:	Atty. Docket No.	Serial No.
	DP-306458	
SCOTT A. MCBAIN Delphi Technologies, Inc.,	Applicant	
	Van Steenkiste et al	
Reg. No. 37181	Filing Date	Group
	Herewith	

U.S. PATENT DOCUMENTS

Exam. Init.	Document Number	Date	Name	Class	Sub Class	Filing Date (if approp.)
	3,100,724	08-14-1964	Rocheville			
	3,993,411	11-23-1976	Babcock et al			
	4,263,335	04-21-1981	Wagner et al			
	4,606,495	08-19-1986	Stewart, Jr., et al			
	4,891,275	01-02-1990	Knoll			
	4,939,022	07-03-1990	Palanisamy			
	5,187,021	02-16-1993	Vydra et al			
	5,271,965	12-21-1993	Browning			

FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Subclass	Translation Yes No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Van Steenkiste, et al; *Kinetic Spray Coatings*; in Surface & Coatings Technology III; 1999; pp.62-71

Liu, et al; *Recent Development in the Fabrication of Metal Matrix-Particulate Composites Using Powder Metallurgy Techniques*; in Journal of Material Science 29; 1994; pp. 1999-2007; National University of Singapore, Japan

Papyrin; *The Cold Gas-Dynamic Spraying Method a New Method for Coatings Deposition Promises a New Generation of Technologies*; Novosibirsk, Russia.

McCune, al; *Characterization of Copper and Steel Coatings Made by the Cold Gas-Dynamic Spray Method*; National Thermal Spray Conference.

Examiner

Date Considered

***Examiner: Initial if reference considered whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.**

Form PTO-FB-A820 (also PTO-1449) Patent & Trademark Office-US Dept. of Commerce

Date: 10/24/2003

Signature: Lowell Train

Name: LOWELL TRAIN